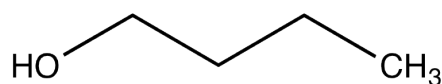


Identification

C₄H₁₀O
M = 74,12 g/mol
CAS [71-36-3]
EC number: 200-751-6
Taric code: 2905 13 00


Synonyms

n-Butyl alcohol, Propylcarbinol






Applications

solvents, synthesis of organic products, microscopy.

Specifications

| | | | |
|-----------------------------|-------------|--------------------------------|--------------|
| assay (G.C.)..... | min. 99,5 % | butyl ether | max. 0,2 % |
| identity (IR-spectrum)..... | passes test | residue on evaporation..... | max. 0,004 % |
| acidity..... | passes test | water (K.F.)..... | max. 0,1 % |
| n-butyraldehyde (G.C.)..... | max. 0,1 % | Residual solvents are analysed | |
| 2-butanol (G.C.)..... | max. 0,1 % | according to guideline | |
| isobutyl alcohol..... | max. 0,1 % | CPMP/ICH/283/95. | |

Packaging
Packaging Code

| | | |
|-------|---|------------|
| 1 l |  | AL01701000 |
| 2,5 l |  | AL01702500 |
| 5 l |  | AL0170005P |
| 25 l |  | AL0170025A |
| 25 l |  | AL0170025P |

Physical data

- Density: 0,81 g/cm³
- Solub. in water: (20 °C): 79 g/l
- Melting point: -89,5 °C
- Boiling point: 118 °C
- Flash point: 34 °C
- Ignition temperature: 340 °C
- Vapour pressure: (20 °C) 6,7 hPa
- Refraction index: (n 20 °C/D) 1,3993
- Viscosity: (20 °C) 2,95 mPas
- Dipolar moment: (20 °C) 1,66 Debye
- Dielectric const.: (20 °C) 17,8
- Saturation conc.: (20 °C) 20 g/m³
- Expl. limit (upper): 11,3 Vol%
- Expl. limit (lower): 1,4 Vol%
- pH(70 g/l H₂O, 20 °C) 7

Safety - GHS

Signal Word: Danger

Hazard Statements:

- H318: Causes serious eye damage.
H226: Flammable liquid and vapour.
H302: Harmful if swallowed.
H335: May cause respiratory irritation.
H336: May cause drowsiness or dizziness.
H315: Causes skin irritation.


Precautionary Statements:

- P210: Keep away from heat / sparks / open flames / hot surfaces. - No smoking.
P241: Use explosion-proof electrical / ventilating / lighting / equipment.
P303+P361+P353: IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P405: Store locked up.
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Toxicological data

- LD 50 (oral, rat): 790 mg/kg
- MAK: 100 ml/m³, 310 mg/m³
- WGK: 1
- Poison class CH (Swiss): 4

Transport/storage

- ADR: 3 F1 III • UN 1120 • BUTANOLS
- IMDG: 3 III • UN 1120 • BUTANOLS
- IATA/ICAO: 3 III • UN 1120 • BUTANOLS
- PAX: 309
- CAO: 310